

KLUSHIN, I.G.; TOLSTIKHIN, I.N.

Statistical determination of the depth of the source of
magnetic field anomalies. Zap. LGI 46 no.2:63-70 '63.
(MIRA 17:6)

KLUSHIN, I.G.; TOLSTIKHIN, I.N.

Delineating linear tectonic dislocations on geophysical maps.
Geol. i geofiz. no.6:98-103 '61. (MIRA 14:7)

1. Gornyy institut imeni G.V. Plekhanova, Leningrad.
(Magnetic anomalies—Maps)

SHUKOLYUKOV, Yu.A.; KRYLOV, I.N.; TOLSTIKHIN, I.N.; OVCHINNIKOVA, G.V.

Tracks of the fission fragments of the uranium in muscovite.
Geokhimiia no.3:291-301 Mr '65. (MIRA 18:7)

1. Laboratory of Geology of the Precambrian, Academy of Sciences
of the U.S.S.R., Leningrad.

KLUSHIN, I.G.; TOLSTIKHIN, I.N.

Interpretation of gravity and magnetic anomalies in southeastern regions of the Russian Platform in the light of historical geology. Izv. vys. ucheb. zav.; geol. i razv. no.11:102-115 N '60.

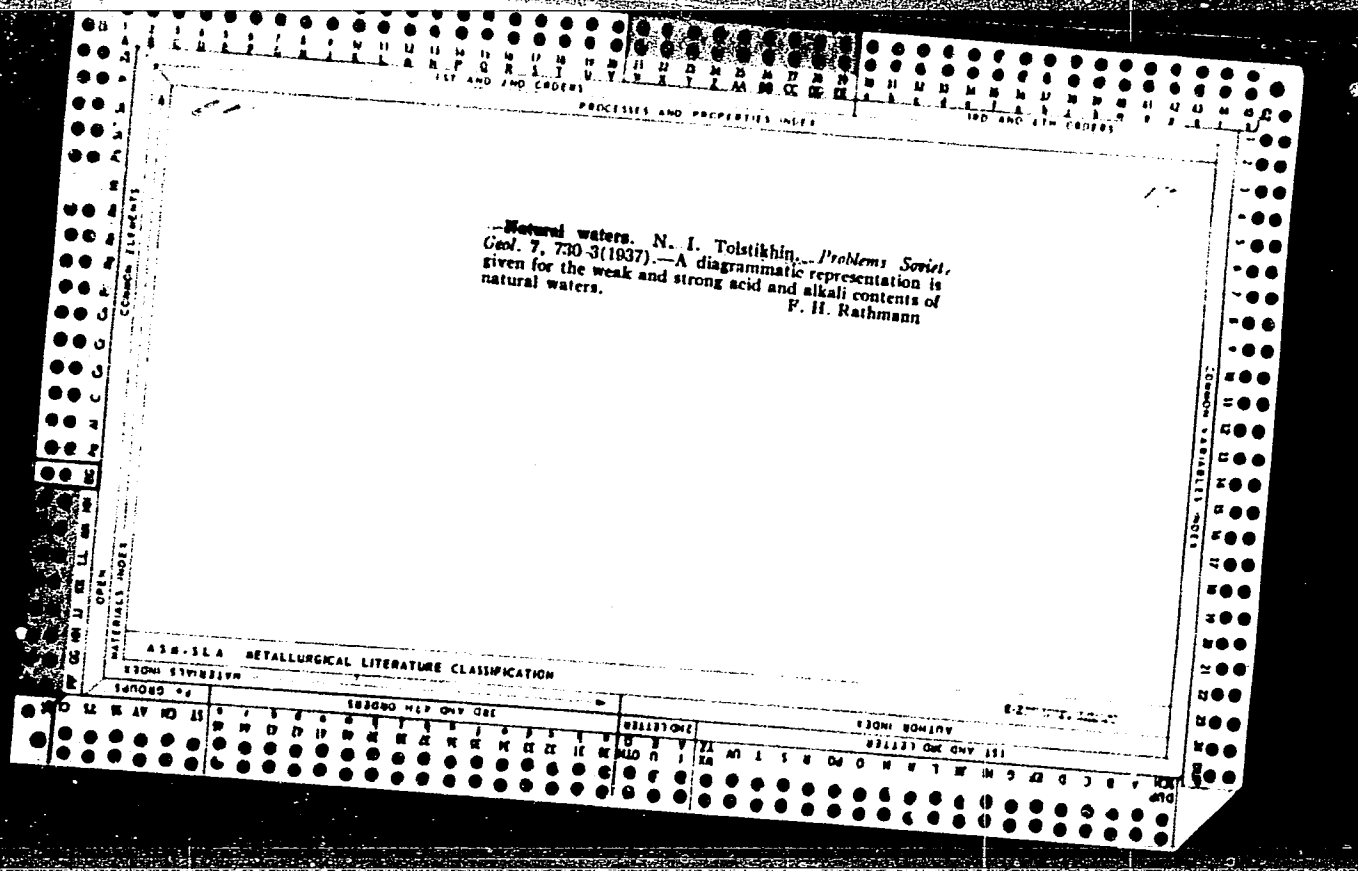
(MIRA 14:2)

1. Leningradskiy gornyy institut im.G.V.Plekhanova.
(Russian Platform—Prospecting—Geophysical methods)

SHUKOLYUKOV, Yu.A.; TOLSTIKHIN, I.N.

Neon, argon, and helium in some natural gases. Geokhimiya
no.7:801-812 JI '65. (MIR-15:11)

1. Laboratoriya geologii dokembriya AN SSSR, Leningrad.
Submitted December 24, 1964.



The mineral waters of the frozen zone of the lithosphere.
N. I. Tolstikhina, *Arb. Komm. Issled. Dauriinsk. Irbinsk. Akad. Wiss. U. S. S. R.* 6, 63-77 (1938) (in Russian, with English summary); *Neues Jahrb. Mineral., Geol.*, Vol. 11, 1940, 50-67; cf. *C. A.* 33, 4352, 9501. A no. of types of waters are described: (1) alkaline earth hydro-carbonate waters, which contain bicarbonates and some-times sulfates of Ca, Mg and Na; many contain free CO₂ in amts. up to 3000 mg/l.; some springs also show high radioactivity; (2) thermal waters contg. Na; many of these are hot springs with temps. up to 91°; most of them are neutral and contain sulfate, some also contain chloride and bicarbonate; (3) salt waters contg. Na and Cl, sometimes also Ca and SO₄, usually in areas underlain by sedimentary rocks contg. NaCl and gypsum. Numerous analyses are given of Siberian waters. M. Fleischer

AS 4 52.4 METALLURGICAL LITERATURE CLASSIFICATION

[illegible]

TOLSTIKHIN, N I

PODZEMNYE VODY MENZLOI ZONY LITOSFERY (Subterranean Waters of Frozen Zone of the Lithosphere),
1941

TOLSTIKHIN, N. I.

IA 14T68

USSR/Artesian Wells
Permafrost

Jan 1947

"Artesian Waters of Frozen Geozone in the USSR,"
N. I. Tolstikhin, 5 pp

"Merzlotovedeniye" Vol II, No 1

Emphasizes the lack of knowledge of sub-surface
waters in the frozen geozone of the USSR. However,
does define the two main types of artesian basins
with geographical locations and accompanying
schematic map.

14T68

TOLSTIKHIN, N.I.

Hydrochemical belts and zones of artesian basins. Gidrokhim.mat.
24:83-84 '55. (MIRA 9:4)

1. Gornyy institut, Leningrad.
(Water, Underground) (Water--Analysis)

TOLSTIKHIN, N. I.

PA 34T26

USSR/Geography
Hydrology
Water, Underground

Sep/Oct 1947

"Relief and Distribution of Subterranean Waters," N. I. Tolstikhin, 8 pp

"Izv Vsesoyuz Geog Obshch" Vol LXXIX, No 5

Author discusses the relief and distribution of subterranean waters and presents the situation in Siberia as an example. He states that basically there are two distinct types of subterranean reliefs: 1) hydrogeological structures which are common on a down slope, such as hydrogeological basins; and 2) hydrogeological structures which have a tendency to

34T26

USSR/Geography (Contd)

Sep/Oct 1947

rise, such as hydrogeological masses of the crystal line variety, and mountain hydrogeological regions.

IS

34T26

TOLSTIKHIN, M. I.

"Nikolay Nikolayevich Slavyanov", (The hydrogeologist: on the 70th anniversary of his birth, and the 40th anniversary of his scientific and pedagogic work, signed by: A. I. Dzhen-Litevskiy, M. I. Tolstikhin, A. I. Silin-Bekchurin, and others), Trudy Laboratorii gidrogeol. problem im. akad, Savarenskogo (Akad. nauk SSSR, Otd-niye Geol.-geogr. nauk), Vol. III, 1948, p. 5-15, with portrait, - Bibliog: "The scientific works of N.N. Slavyanov", p. 11-15

SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

TOLSTIKHIN, N.I.

The distribution of mineral waters in U.S.S.R. Trudy Lab. Gidrogeol. Problem
im. F.P. Savarenskogo, Akad. Nauk S.S.S.R. 3, 139-49 '48. (MLRA 3:2)
(CA 47 no.20:10773 '53)

TOLSTIKHIN, N.I.; DZENS-LITOVSKIY, A.I.

Ground waters in areas of salt deposits. Trudy Lab. Gidrogeol. Problemy im.
F.P. Savarenskogo, Akad. Nauk S.S.S.R. 3, 150-63 '48. (MLRA 3:2)
(CA 47 no.20:10773 '53)

21501

DEMS--LITOVSKIY, A. I.; i POLSTIKHIN, N. I.

Geograficheskiye zakonomernosti raspredeleniya prirodnikh
mineral'nykh vod SSSR. [Tezisy Doklada].

Trudy Vtorogo Vsesoyuz. geogr. s"yezda. T. P.M., 1948, s. 264 - 66.

SC: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949

TOLSTIKHIN, N.I., professor.

Hydrochemical zonality of artesian basins. Zap.Len.gor.inst.32
no.2:3-9 '56.

(MLRA 10:2)

(Water, Underground)

ZAYTSEV, I.K.; TOLSTIKHIN, N.I.

Fundamentals of the structural and hydrogeological regionalization
of the U.S.S.R. Trudy VSEGEI 101:5-35 '63. (MIRA 17:9)

OGANEZOV, Gurgen Gavrilovich, prof.; MKRTCHYAN, S.S., akademik,
retsenzent; ASLANYAN, A.T., doktor geol.-miner. nauk,
retsenzent; TOLSTIKHIN, N.I., prof., retsenzent;
AZATYAN, A.M., red.

[Underground waters of the Ararat Plain] Podzemnye vody
Araratskoi kotloviny. Erevan, Aipetrat. Vol.5. 1964.
141 p. (MIRA 18:1)

TOLSTIKHIN, N.I.

Second alternative for numerating natural waters. Izv. vys. ucheb.
zav.; geol. i razv. 7 no.11:124-125 N '64.

(MIRA 18:5)

1. Leningradskiy gornyy institut im. G.V. Plekhanova.

TOLSTIKHIN, N.I., doktor geol.-mineral. nauk

Principles of the structural and hydrogeological regionalization
of Siberia. Mat. Kom. po izuch. podzem. vod. Sib. i Dal' Vost.
no.2:2-9 '62.

Hydrogeology of central Siberia. Ibid.:72-81 (MIRA 17:8)

IVANOV, V.V.; NEVRAYEV, G.A.; TOLSTIKHIN, N.I., retsenzent;
BAKHMAN, V.I., retsenzent; BOLASHOV, L.S., retsenzent;
BEDER, B.A., retsenzent; VALEDINSKIY, V.I., retsenzent;
OBROSOV, A.N., prof., otv. red.

[Classification of underground mineral waters] Klassifi-
katsiia podzemnykh mineral'nykh vod. Moskva, Nedra, 1964.
166 p. (Ocherki po mineral'nykh vodam SSSR, no.1)

(MIRA 18:4)

1. Chlen-korrespondent AMN SSSR (for Obrosov).

BOKIY, B.V., prof.; PAUKER, N.G., gidrogeolog; TOLSTIKHIN, N.I., prof.

Concerning the book "Experience in the drainage of mineral deposits
in difficult hydrogeological conditions." Shakht.stroi. 8
no.1:32 Ja '64. (MIRA 17:4)

BUZIKOV, I.P.; TOLSTIKHIN, N.I.

New type of arshan in the Urik basin (Eastern Sayan Mountains).

Krat.soob. BKNII no.3-40-44 '62.

(MIRA 16:5)

(Urik Valley--Mineral waters)

SEDENKO, Matvey Vasil'yevich; TOLSTIKHIN, N.I., retsenzent; KLIMENTOV, P.P.,
retsenzent; ZHELTOV, P.I., retsenzent[deceased]; CHAPOVSKIY, Ye.G.,
red.; FEDOTOVA, A.I., red.izd-va; GUROVA, O.A., tekhn. red. USSR

[Hydrogeology and engineering geology]Gidrogeologiya i inzhener-
naia geologiya. Moskva, Gosgeoltekhizdat, 1962. 356 p.

(MIRA 16:2)

(Water, Underground) (Engineering geology)

TOLSTIKHIN, N.I.

Basic concepts of N.F.Pogrebov in the field of hydrogeology; on
the 100th anniversary of his birth. Zap. LGI 44 no.2:3-8 '62.

(Water, Underground)

(MIRA 16:3)

^L
~~TOK~~STIKHIN, N. ^I
~~F.~~, VELMINA, N. A., YEFIMOV, Adrian Ivanovich

"Hydrogeology in areas of permanently frozen rocks in the USSR"

report to be submitted for the Intl Conference on Permafrost, Purdue Univ.,
Lafayette, Indiana, 11-15 Nov 63

TKACHUK, V.G., otv. red.; TOLSTIKHIN, N.I., red.; POPOV, I.V., red.;
ZAYTSEV, I.K., red.; YEFIMOV, A.I., red.; PAL'SHIN, G.B.,
red.; GRECHISHCHEV, Ye.K., red.; ASTRAKHANTSEV, V.I., red.;
PERLOVICH, B.F., red.; FECHERSKAYA, T.I., tekhn. red.

[Transactions of the Second Conference on Underground Waters
and the Engineering Geology of Eastern Siberia held in Chita,
1958] Trudy Soveshchaniia po podzemnym vodam i inzhenernoi
geologii Vostochnoi Sibiri. Irkutsk, Irkutskoe knizhnoe izd-
vo. No.4. 1961. 161 p. (MIRA 16:4)

1. Soveshchaniye po podzemnym vodam i inzhenernoy geologii
Vostochnoy Sibiri. 2d, Chita, 1958.
(Siberia, Eastern--Water, Underground)
(Siberia, Eastern--Engineering geology)

TOLSTIKHIN, N.I.; MELIK-DAVTYAN, L.S.

Life and work of N.F. Pogrebov; on the 100th anniversary of his
birth. Inform.sbor. VSEGEI no.48:25-50 '61. (MIRA 15:7)
(Pogrebov, Nikolai Feodorovich, 1860-1942)
(Geology)

ZAYTSEV, I.K.; MARINOV, N.A., red.; TOLSTIKHIN, N.I., red.;
ENTIN, M.L., red. izd-va; IVANOVA, A.G., tekhn. red.

[Hydrogeological map of the U.S.S.R. with a 1:2,500,000
scale; explanatory text]Gidrogeologicheskaja karta SSSR
masshtaba 1:2500 000; ob"iasnitel'naja zapiska. Red. N.A.
Marinov i N.I.Tolstikhin. Moskva, osgeoltekhizdat,
1961. 255 p. (MIRA 15:8)
(Water, Underground--Maps)

LICHKOV, Boris Leonidovich, prof.; PAVLOVSKIY, Ye.N., akademik, glavnyy red.;
TOLSTIKHIN, N.I., otv.red.; SHNITNIKOV, A.V., otv.red.; SUVOROV, I.V.,
red.izd-va; BOCHEVER, V.T., tekhn.red.

[Natural waters of the earth and the lithosphere] Prirodnye vody
Zemli i litosfera. Moskva, Izd-vo Akad.nauk SSSR, 1960. 163 p.
(Geograficheskoe obshchestvo SSSR, Zapiski. Novaia seriia, vol.19)
(MIRA 14:5)

1. Prezident Geograficheskogo obshchestva SSSR (for Pavlovskiy).
(Earth)

KLIMENTOV, Petr Platonovich; PYKHACHEV, Georgiy Borisovich; TOLSTIKHIN,
N.I., prof., retsenzent; SHAGOYANTS, S.A., prof., retsenzent; DA-
VIDOVICH, V.I., dots., retsenzent; ASATUR, K.G., dots., retsenzent;
NOVOZHILOV, V.N., dots., retsenzent; PAUKER, N.G., starshiy nauch.
sotr., retsenzent; KRASIL'NIKOVA, N.P., ass., retsenzent; ABRAMOVA,
S.K., otv. red.; SLAVOROSOV, A.Kh., red. izd-va; IL'INSKAYA, G.M.,
tekhn. red.

[Dynamics of underground water] Dinamika podzemnykh vod. Moskva,
Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1961. 514 p.
(MIRA 14:12)

(Water, Underground)

TKACHUK, V.G., doktor geologo-mineralog. nauk; TOLSTIKHIN, N.I., prof.; PINNEKER, Ye.V., kand. geologo-mineralog. nauk, mladshiy nauchnyy sotr.; YASNITSKAYA, N.V., mladshiy nauchnyy sotr., khimik; KRUTIKOVA, A.I., mladshiy nauchnyy sotr., khimik; SHOTSKIY, V.P., kand. geogr. nauk; ORLOVA, L.M., starshiy gidrogeolog; STEPANOV, V.M., kand. geologo-mineralog. nauk; VLASOV, N.A., kand. khim. nauk; PROKOP'YEV, B.V., kand. khim. nauk; CHERNYSHEV, L.A., starshiy prepodavatel'; PAVLOVA, L.I., starshiy prepodavatel'; Prinimali uchastiye: IVANOV, V.V., kand. geologo-mineralog. nauk; YAROTSKIY, L.A., kand. geologo-mineralog. nauk; KARASEVA, A.P., nauchnyy sotr.; ARUTYUNYANTS, R.R., nauchnyy sotr.; ROMANOVA, E.M., nauchnyy sotr.; TROFIMUK, P.I., starshiy gidrogeolog; LADEYSHCHIKOV, P.I., starshiy nauchnyy sotr., kand. geogr. nauk; LYSAK, S.V., starshiy laborant; KRUCHININA, L.Yu., laborant; SEMENOVA, Ye.A., red. izd-va; BOCHEVER, V.T., tekhn. red.

[Mineral waters of the southern part of Eastern Siberia] Mineral'nye vody iuzhnoi chasti Vostochnoi Sibiri. Moskva. Vol.1. [Hydrogeology of mineral waters and their significance for the national economy] Gidrogeologiya mineral'nykh vod i ikh narodnokhoziaistvennoe znachenie. Pod obshchei red. V.G.Tkachuk i N.I.Tolstikhina. 1961. 346 p. (MIRA 14:8)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Vostochno-sibirskiy geologicheskiy institut. (Continued on next card)

TKACHUK, V.G.--- (continued) Card 2.

2. Vostochno-Sibirskiy geologicheskiy institut (for Tkachuk, Pinneker, Yasnitskaya, Krutikova, Lysak). 3. Institut geografii Sibirskogo ot-deleniya Akademii nauk SSSR (for Shotakiy). 4. Chitinskoye geologicheskoye upravleniye (for Orlova). 5. Sosnovskaya ekspeditsiya Ministerstva geologii i okhrany neдр SSSR (for Stepanov). 6. Irkutskiy gosudarstvennyy universitet (for Vlasov, Prokop'yev, Chernyshev, Pavlova). 7. Leningradskiy gornyy institut (Tolstikhin). 8. Gosudarstvennyy nauchno-issledovatel'skiy institut kurortologii i fizioterapii (for Ivanov, Yarotskiy, Karaseva, Arutyunyants, Romanova). 9. Irkutskoye geologicheskoye upravleniye (for Trofimuk). 10. Baykal'skaya limnologicheskaya stantsiya Vostochno-Sibirskogo filiala AN SSSR (for Ladeyshchikov). 11. Otdel ekonomiki i geografii Vostochno-Sibirskogo filiala AN SSSR (for Kruchinina).
(Siberia, Eastern--Mineral waters)

GUREVICH, M.S.; TOLSTIKHIN, N.I.

Chemical classification chart of underground waters. Izv. vys.
ucheb. zav.; geol. i razv. 4 no.1:83-93 Ja '61. (MIRA 14:7)

1. Leningradskiy gornyy institut imeni G.V. Plekhanova.
(Water, Underground--Analysis)

MIKHEYEV, Viktor Ivanovich, prof. [1912-1956]; LEVENBERG, N.V., otv. red.;
TATARINOV, P.M., red.; ALFEROV, B.A., prof., red.; ANDREYEV, B.A.,
prof., red.; GRIGOR'YEV, D.P., prof., red.; POGREBITSKIY, Ye.O., prof.,
red.; TOLSTIKHIN, N.I., prof., red.; SHAFRANOVSKIY, I.I., prof., na-
uchnyy red.; MIKHEYEVA, I.V., dots., nauchnyy red.; DAYEV, G.A., ve-
dushchiy red.; ZABRODINA, A.A., tekhn. red.; GENNAD'YEVA, I.M., tekhn.
red.

[Homology of crystals] Gomologiya kristallov. Leningrad, Gos.
nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 206 p.
(MIRA 14:10)

1. Chlen-korrespondent AN SSSR (for Tatarinov).
(Crystallography)

TOLSTIKHIN, N.I., prof.

"Principles of geocryology (permafrost studies)." Reviewed by
N.I.Tolstikhin. Vest.AM SSSR 30 no.12:124-126 D '60. (MIRA 13:12)
(Frozen ground)

MAKKAWEYEV, A.A., doktor geol.-mineral. nauk ; LANGE, O.K., prof., doktor geol.-mineral. nauk, red.; MARINOV, N.A., doktor geol.-mineral.nauk, red.; OVCHINNIKOV, A.M., red.; SOKOLOV, D.S., red.; TOLSTIKHIN, H.I., BINDEMAN, N.N., kand.geol.-mineral.nauk, red.; BRODSKIY, A.A., kand. geol.-mineral.nauk, red.; YEMEL'YANOVA, Ye.P., red.; CHAPOVSKIY, Ye.G., dots., red.; BEKMAN, Yu.K., vedushchiy red.; MUKHINA, E.A., tekhn. red.

[Dictionary of hydrogeology and engineering geology] Slovar' po gidrogeologii i inzhenernoi geologii. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 186 p. (MIRA 14:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii.

(Engineering geology—Dictionaries)

KUDELIN, Boris Ivanovich; BOGOMOLOV, G.V., prof., retsenzent; MAKARENKO, F.A., prof., retsenzent; SILIN-BEKCHURIN, A.I., prof., retsenzent; ~~TOLSTIKHIN, H.I., prof., retsenzent~~; FADDEYEVA, I.I., red.; YERMAKOV, M.S., tekhn.red.

[Principles underlying regional estimation of natural resources of underground waters] Printsipy regional'noi otsenki estestvennykh resursov podzemnykh vod. Moskva, Izd-vo Mosk.univ., 1960. 343 p.
(MIRA 14:4)

(Water, Underground)

SERPUKHOV, V.I., prof.; TOLSTIKHIN, N.I., red.; ROSSOVA, S.M., red.izd-va;
GUROVA, O.A., tekhn.red.

[Course on general geology] Kurs obshchei geologii. Moskva, Gos.
nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1960. 634 p.
(MIRA 13:12)

1. Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego
spetsial'nogo obrazovaniya.
(Geology--Textbooks)

LANGE, O.K., otv.red.; BOGOMOLOV, G.V., zamestitel' red.; SOKOLOV, D.S., red.; KAMENSKIY, G.N., red. [deceased]; MAKARENKO, F.A., red.; OVCHINNIKOV, A.M., red.; TOLSTIKHIN, N.I., red.; BOGORODITSKIY, K.F., red.; FILIPPOVA, B.S., red.izd-va; GUROVA, O.A., tekhn.red.

[Problems of hydrogeology] Problemy gidrogeologii. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po geologii i okhrane neдр, 1960.
366 p. (MIRA 13:11)

1. Natsional'nyy komitet geologov Sovetskogo Soyuza. Gidrogeologicheskaya sektsiya.
(Water, Underground--Congresses)

SHAGOYANTS, S.A.; ~~TOLSTIKHIN, N.I.~~, prof., nauchnyy red.; FILIPPOVA,
B.S., red.izd-va; GUROVA, O.A., tekhn.red.

[Underground waters in the central and eastern parts of the
Northern Caucasus and factors governing their formation]
Podzemnye vody tsentral'noi i vostochnoi chastei Severnogo
Kavkaza i usloviia ikh formirovaniia. Moskva, Gos.nauchno-
tekhn.izd-vo lit-ry po geol. i okhrane neдр, 1959. 305 p.
(MIRA 12:8)

(Caucasus, Northern--Water, Undergound)

TOLSTIKHIN, N.I.; YEGOROV, S.V.

Role of landlocked basins in the drainage of water-bearing horizons
of northern Kazakhstan. Zap. LGI 34 no.2:61-69 '58.

(MIRA 12:6)

(Kazakhstan--Water, Underground)

TOLSTIKHIN, N.I.; ORLOVA, L.M.

A particular type of carbonate waters in Transbaikalia. Zap. IGI
34 no.2:70-74 '58. (MIRA 12:6)

(Baley region--Mineral waters)

22(1)

SOV/3-59-5-27/34

AUTHOR: Tolstikhin N.I., Doctor of Geologic-Mineralogical Sciences; Professor; Novozhilov, V.N., Candidate of Geologic-Mineralogical Sciences; Docent

TITLE: Intervuz Scientific Conferences. Problems of Training Mining Engineer-Hydrogeologists.

PERIODICAL: Vestnik vysshey shkoly, 1959, Nr 5, p 85 (USSR)

ABSTRACT: The problem of improving the practical and scientific-theoretical training of mining engineer-hydrogeologists has been raised. The Leningradskiy gornyy institut (Leningrad Mining Institute) devoted its conference, which took place in February this year, to this subject. In addition to 300 students, the conference was attended by workers of geological production organizations, collaborators of design and scientific research institutes of the Ukraine, Estonia, Lithuania, Kola Peninsula, the Urals,

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SOV/3-59-5-27/34

Inter-vuz Scientific Conferences. Problems of Training Mining Engineer-Hydrogeologists.

Siberia, Sakhalin, Central Asia, Moscow and Leningrad, as well as by vuz instructors of hydrogeology and engineering geology. Forty-five reports devoted to **theoretical**, methodological and practical problems of hydrogeology and engineering geology were discussed at the meetings. The report of Doctor of Geologic-Mineralogical Sciences, Professor F.A. Makarenko (Laboratoriya gidrogeologicheskikh problem AN SSSR - Laboratory of Hydro-Geological Problems of the AS USSR) - "The Thermal Waters of the USSR as a Source of Thermal Energy" aroused great interest. The address of Professor N.I. Tolstikhin of the Leningrad Mining Institute was dedicated to the genetic classification of underground waters. Docent V.D. Lomtadze of the same institut dealt in his report with the "Basic Problems of the Formation of Physico-Mechanical Properties in Clay Layers". V.A. Krotova, Scientific

Card 2/4

SOV/3-59-5-27/34

Intervuz Scientific Conferences. Problems of Training Mining Engineer-Hydrogeologists.

Worker of the Vsesoyuznyy neftyanoy geologo-razvedochnyy institut (All-Union Oil Geologic-Propecting Institute), reported on the plutonic brines of the Volga-Ural Oblast' and Eastern Siberia; Engineer of the Lenmetroproyekt R.N. Kremneva- on the engineering-geological and hydrogeological conditions of the Leningrad subway. A special plenary meeting discussed the new curriculum of the specialty "Hydrogeology and Engineering Geology", and the programs of basic subjects. The indications and wishes expressed were taken into consideration when working out the curriculum and programs. Gostoptekh-izdat published in time for the conference "The Hydrogeologist's Reference Book". Simultaneously with the conference, a large exhibition of hydrogeological devices, field laboratories, engineering-geological equipment, students' graduation designs

Card 3/4

SOV/3-59-5-27/34

Intervuz Scientific Conferences. Problems of Training Mining
Engineer-Hydrogeologists.

etc. was opened. The first copy of the hydro-
geological chart of the USSR was displayed at
the exhibition. The chart was drawn up under the
direction of Doctor of Geologic-Mineralogical
Sciences I.K. Zaytsev.

ASSOCIATION: Leningradskiy gornyy institut imeni G.V. Ple-
khanova (Leningrad Mining Institute imeni G.V.
Plekhanov).

Card 4/4

GUREVICH, M.S.; ZAYTSEV, I.K.; TOLSTIKHIN, N.I.

Regional hydrochemical features of artesian basins in the U.S.S.R.
Trudy Lab.gidrogeol.probl. 16:194-210 '58.. (MIRA 12:2)

1. Vsesoyuznyy geologicheskii nauchno-issledovatel'skiy institut.
(Water, Underground)

VEL'MINA, Nina Aleksandrovna; UZEMBLO, Vladimir Valer'yanovich;
TOLSTIKHIN, N.I., doktor geologo-mineral.nauk, otv.red.;
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138 p. (MIRA 11:7)

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AUTHORS: Mulikovskaya, Ye. P., Tolstikhin, O. N. SOV/7-58-4-13/13

TITLE: On the Germanium Content in the Water of Some Springs of Kamchatka (O sodержanii germaniya v vode nekotorykh istochnikov Kamchatki)

PERIODICAL: Geokhimiya, 1958, Nr 4, pp. 392 - 395 (USSR)

ABSTRACT: The mineral springs of Kamchatka and the Kuriles (Kuril'skiye ostrova) were investigated systematically by assistants of the expedition in the district XI of the ~~Fifth~~ Geological Administration (Pyatoye geologicheskoye upravleniye) in the last years. This paper gives preliminary papers on the germanium content of several springs. Germanium was collected with the ion exchanger EDE-10 and solved with 9 n hydrochloric acid extracted from this solution with carbon tetrachloride and then reextracted with 5 - 10 ml of distilled water. The determination was carried out colorimetrically with phenyl fluoron. The method has a sensitivity of 0,5 - 1γ/l of water. The names of the springs, the germanium content (between 1 and 25 γ/l), the temperature in degrees C the pH-value and the water formula

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On the Germanium Content in the Water of Some
Springs of Kamchatka

SOV/7-58-4-15/15

(according to Kurlov) are given in the table of the analysis results. The nine investigated springs are each discussed in short. Most mineral springs besides germanium also contain boric acid and arsenic. There is apparently a connection between the increased germanium content and the raised water temperature. There are 1 table ~~2~~ **Soviet references.**

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii Institut, Leningrad (Leningrad All-Union Scientific Research Institute of Geology)

SUBMITTED: April 3, 1958

1. Germanium--Determination
2. Germanium--Separation
3. Germanium--Sources
4. Ion exchange--Applications
5. Colorimetric analysis--Applications

Card 2/2

USCOMM-DC# 55819

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(MIRA 14:4)

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(Kurile Islands--Pigments)

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USSR/Optics - Physical Optics.

K-5

Abs Jour : Referat Zhur - Fizika, No 3, 1957, 7700

Author : Grum - Grzhinaylo, S.V., Anikina, L.I., Belova, Ye.N.
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Inst : Institute of Crystallography, Institute of Geochemistry
and Analytical Chemistry. Institute of Geological Sciences,
Academy of Sciences, USSR.

Title : Curves of Spectral Absorption and Other Physical
Constants of Natural Miccas.

Orig Pub : Mineralog. sb. L'vovsk. geol.v-va pro un-te., 1955. No 9,
90-119

Abstract : Curves of spectral absorption were obtained in the 220 to
1200 m μ region for approximately 50 natural miccas from
various deposits in the USSR. -- muscovites, biotites,
and phlogotites. Tables of the elements contained in the
miccas, and the parameters of their crystalline lattices

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USSR/Optics - Physical Optics.

Abs Jour : Referat Zhur - Fizika, No 3, 1957, 7700

are given. Chemical and spectral analysis were made. Using the SF-4 spectrophotometer, the coefficients of absorption K were measured with a relative accuracy of 1 -- 3% for thin sheets of micas with thickness ≥ 0.01 mm. The absorption curves are grouped into two types -- some curves diminish from the ultraviolet portion of the spectrum to $800 \text{ m}\mu$ and are almost parallel to the abscissa axis in the infrared portion to $1200 \text{ m}\mu$, while others diminish from the ultraviolet portion to $1200 \text{ m}\mu$, and have two broad absorption maxima at 700 and $900 \text{ m}\mu$. In some muscovites one observes a broad maximum in the 540 to $570 \text{ m}\mu$ region. The contents of the ferrous and ferric oxide in the micas is not linearly connected to the height of the maximum at 700 and $900 \text{ m}\mu$. The muscovites in the ultraviolet region are more transparent than the phlogotites. The absorption spectra of micas depend on the lattice parameters.

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USSR/Optics - Physical Optics.

K-5

Abs Jour : Referat Zhur - Fizika, No 3, 1957, 7700

A detailed table of the physical constants of the micas is given. It is shown that there is no definite connection between these constants on the one hand and K, the transparency of the micas in the ultraviolet region and the amount of iron on the other hand.

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gave a distinct luminescence which appeared to ultraviolet

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'57. (MIRA 11:6)

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516-518 Ja '57. (MLRA 10:4)

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[Geological structure and oil-producing prospects of the West
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Lower boundary of the Cambrian of the Russian Platform based on the distribution of trace elements in ancient sedimentary rocks. Ibid.:101-106

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TOLSTIKHINA, M.M.

USSR/Cosmochemistry - Geochemistry. Hydrochemistry, D

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61333

Author: Tolstikhina, M. M.

Institution: None

Title: Geological Structure and Outlook of Petroleum- and Gas-Bearing Possibilities of the Gor'kiy Area of the Volga Region

Original

Periodical: Sb. nauch.-tekhn. inform. M-vo geologii i okhrany nedr, 1955, No 1, 10-11

Abstract: Lower Paleozoic formations favorable to petroleum and gas occurrence are found in the zones of juncture of ancient projections and depressions of the basement (Voronezh elevation and Caspian depression, Tatarskiy anticline and Melekess depression); Devonian sedimentations of the slopes of ancient Volga-Kama ledge facing the flexure of Fore-Urals and the Caspian depression; coal bearing deposits of the eastern portion of the territory (Ul'yanovsk area).

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p 150 (USSR) 15-57-4-5135

AUTHOR: Tolstikhina, M. M.

TITLE: Geological Structure and Petroleum-Gas Potential of
the Gor'kiy Volga District (Geologicheskoye stroeniye
i perspektivy neftegazonosnosti Gor'kovskogo
Povolzh'ya)

PERIODICAL: Sb. nauch.-tekhn. inform. M-vo geol. i okhrany neдр.
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ABSTRACT: Three major stages are distinguished in the formation
of the structural plan of the Russian Platform in the
ancient Volga-Kama ridge and adjacent territories.
These stages are--the Lower Paleozoic, the lower
Frasnian, and the Upper Permian-Middle Jurassic. The
Lower Paleozoic deposits are considered potential
petroleum-gas producers only in zones of

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junction between ancient ridges and ancient depressions of the sub-structure. The petroleum-gas potential of the Devonian deposits increases toward the slopes of the ancient Volga-Kama ridge facing the relatively recent depressions. The petroleum-gas potential of the Carboniferous deposits is associated only with the eastern part of the territory. The Permian and Meso-Cenozoic deposits have a low potential.

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